

IN THE UNITED STATES ELECTED OFFICE OF
THE UNITED STATES PATENT AND TRADEMARK OFFICE
UNDER THE PATENT COOPERATION TREATY - CHAPTER I

INFORMATION DISCLOSURE STATEMENT

5 APPLICANT: Wolfgang Dreher, Christian Geppert and Matthias Althaus
ATTORNEY
DOCKET NO.: P05,0076
SERIAL NO.: EXAMINER:
FILING DATE: ART UNIT:
10 INTERNATIONAL APPLICATION NO.: PCT/DE2003/002997
INTERNATIONAL FILING DATE: 10 September 2003
INVENTION: "SPECTROSCOPIC IMAGING METHOD, DEVICE
COMPRISING ELEMENTS FOR CARRYING OUT SAID
METHOD AND USE OF SAID IMAGING METHOD FOR
15 CHARACTERISING MATERIALS"

Mail Stop PCT

Commissioner for Patents

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S I R:

In accordance with the provisions of 37 CFR 1.56, 1.97 and 1.98, it is
requested that a citation and examination of the references listed on the attached
Form PTO-1449 be made during the course of the examination of the above-
25 identified application.

REMARKS

Attached herewith is a copy of the International Search Report of
May 13, 2004. In this Search Report, U.S. Patent Nos. 5,092,335; 5,189,369 and
5,391,989 were cited in Category A along with an article by Redpath et al and an
30 article by Lee et al. Copies of these two articles and three U.S. Patent are attached
herewith. Also cited in the Search Report, in Category X, is an article by Speck et
al. A copy of that article is also attached herewith. In addition, an article by Dreher
et al and European Patent Application 1 288 670 A were cited in Categories P and

X. Copies of these two references are also attached herewith, along with a copy of U.S. Patent No. 6,677,750, which claims priority from the same German Reference as European Patent Application 1 288 670 A.

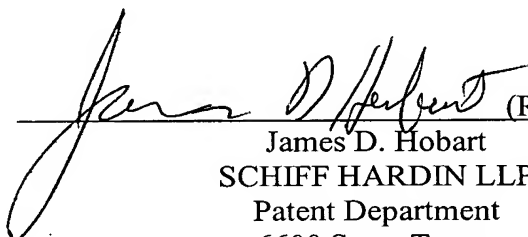
On page 10 of the German-Language Application, an article by Pruessmann et al was cited. On page 16, an article by P. Van Der Meulen et al was cited. On page 19, an article by Pohmann et al was cited. Copies of these three articles are also attached herewith for the Examiner's review.

Respectfully submitted,

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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (use several sheets if necessary)					Docket No. P05,0076		Serial No.	
					Applicant Dreher et al			
					Filing Date		Group Art Unit	
U.S. PATENT DOCUMENTS								
Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate	
	AA	5,092,335	03/03/1992	Le Bihan				
	AB	5,189,369	02/23/1993	Takane et al				
	AG	5,391,989	02/21/1995	Takane et al				
	AD	6,677,750	01/13/2004	Hennig et al				
	AE							
	AE							
	AG							
	AH							
	AI							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AJ	1 288 670	03/05/2003	Europe			See AD	
	AK							
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Speck et al, "Fast ³¹ P Chemical Shift Imaging using SSFP Methods", <u>Proc. Intl. Soc. Mag. Reson. Med.</u> , Vol. 10, 2002, p. 792						
	AR	Redpath et al, "FADE--A New Fast Imaging Sequence", <u>Magnetic Resonance in Medicine</u> , Vol. 6, 1988, pp. 224-234						
	AS	Lee et al, "Fast SSFP Gradient Echo Sequence for Simultaneous Acquisitions of FID and Echo Signals", <u>Magnetic Resonance in Medicine</u> , Vol. 8, No. 2, Oct. 1988, pp. 142-150						
	AT	Dreher et al, "Fast Proton Spectroscopic Imaging Using Steady-State Free Precession Methods", <u>Magnetic Resonance in Medicine</u> , Vol. 50, 2003, pp. 453-460.						
	AU	Pruessmann et al, "SENSE: Sensitivity Encoding for Fast MRI", <u>Magnetic Resonance in Medicine</u> , Vol. 42, 1999, pp. 952-962.						
	AV	Van Der Meulen et al, "Fast Field Echo Imaging: An Overview and Contrast Calculations", <u>Magnetic Resonance Imaging</u> , Vol. 6 (1988), pp. 355-368.						
	AW	Pohmann et al, "Theoretical Evaluation and Comparison of Fast Chemical Shift Imaging Methods", <u>Journal of Magnetic Resonance</u> , Vol. 129 (1997), Article No. MN971245, pp. 145-160.						
Examiner				Date Considered				
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								